Mo-5457
MD-96-52-PU

HT14/Pelmark

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**APPLICATION OF**

KARL W. HAIDER ET AL.

SERIAL NUMBER: 09/474,114

FILED: DECEMBER 29, 1999

TITLE: HYDROPHOBIC LIGHT STABLE
POLYURETHANE ELASTOMER
WITH IMPROVED MECHANICAL
PROPERTIES

)
) ART UNIT: 1711
)
) EXAMINER: R. SERGENT
)
)

COPY OF PAPERS
ORIGINALLY FILED**DECLARATION UNDER 37 C.F.R. § 1.131**Assistant Commissioner for Patents
Washington, D.C. 20231

Sir:

I, Ronald P. Taylor, of Moon Township, Pennsylvania, do hereby declare
that:

I am a co-inventor named in the subject Application, and
I am familiar with the subject matter of the above-mentioned Application
which was filed in the United States Patent and Trademark Office on December
29, 1999.

I have read United States Patent Nos. 6,166,166 and 6,211,324, both of
which are assigned to Bayer Corporation. These references were cited in the
examination of the above-mentioned Application.

I, along with my co-inventors, conceived and reduced to practice the
invention described and claimed in the above-mentioned patent application

before June 8, 1999, the effective United States filing date of Application Serial Number 09/327,659, now issued as United States Patent No. 6,211,324, as well as before August 26, 1998, the effective United States filing date of Application Serial Number 09/140,208, now issued as United States Patent No. Patent 6,166,166.

I personally performed, or directed and supervised, processes that were carried out for producing hydrophobic light stable polyurethane elastomers based on the reaction product of a chain extender and an isocyanate terminated prepolymer comprising the reaction product of difunctional hydroxyl-terminated polybutadiene and an aliphatic or cycloaliphatic diisocyanate, as claimed in the subject Application, before both June 8, 1999, and August 26, 1998. The results of this process are shown in Exhibit 1.

Exhibit 1 represents a redacted page from a memorandum of invention. The data represented in Table 1 of Exhibit 1 was generated before both June 8, 1999 and August 26, 1998.

The undersigned Declarant declares further that all statements made herein of his own knowledge are true and that all statements made on information and belief are believed to be true; and further that these statements were made with the knowledge that willful false statements and the like so made are punishable by fine or imprisonment, or both, under Section 1001 of Title 18 of the United States Code and that such willful false statements may jeopardize the validity of pending Application Serial Number 09/474,114 filed on December 29, 1999 or any patent issuing thereon.

Signed in Pittsburgh, Pennsylvania this 8th day of February, 2002.

Respectfully submitted,

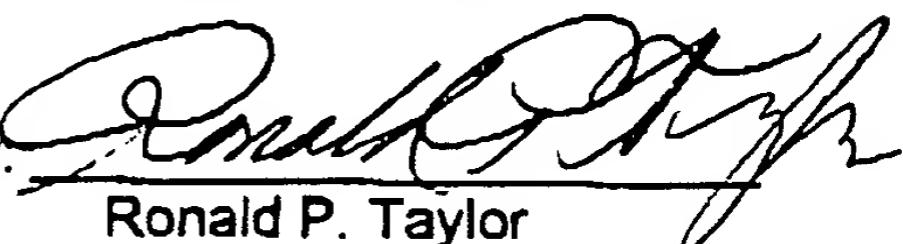
By: 
Ronald P. Taylor

EXHIBIT 1

D. Experimental Work D

REDACTED

Table 1 Properties of Elastomers Based on HFPB* and Poly-BD**

			rMDI/HFPB	
NB#			637885	
Isocyanate	REDACTED	REDACTED	rMDI	REDACTED
Polyol			HFPB	
NCO Content			7.6	
Chain Extender			1,4-butanediol	
Hardness (Shore A)			85	
Tear Strength, Die C (pli)			395	
Tensile Strength (psi)			1600	
Elongation (%)			480	
	REDACTED			